

# Halogen-free Cables

## SABIX® BL 443 C FRNC TT

SABIX® BL - Twisted triad flexible data cable, twisted triad with overall copper shield



TT 7 x 3 x 0.34 mm<sup>2</sup> - IEC 60332-3-22 - 300V DNV•GL CE



Marking for SABIX® BL 443 C FRNC TT 64430734:

SAB BRÖCKSKES · D-VIERSEN · SABIX® BL 443 C FRNC TT 7 x 3 x 0.34 mm<sup>2</sup> - IEC 60332-3-22 - 300V DNV•GL CE and current meter marking

### Construction:

<b>Conductor:</b>	tinned copper strands acc. to IEC 60228, VDE 0295, class 5
<b>Insulation:</b>	special SABIX®
<b>Color code:</b>	≤ 0.25 mm <sup>2</sup> = DIN 47100, see page O/26 ≥ 0.34 mm <sup>2</sup> = white, blue, red with printed triad number
<b>Stranding:</b>	conductors white, blue, red twisted to triads, triads twisted in layers
<b>Wrapping:</b>	foil
<b>Shielding:</b>	tinned copper braiding
<b>Jacket material:</b>	special SABIX® SHF 1 compound acc. to IEC 60092-360
<b>Jacket color:</b>	pigeon blue (RAL 5014)

### Outstanding features:

- low smoke halogen-free (LSHF)
- asbestos-free
- good EMC characteristics\*
- no flame propagation
- flame retardant and self-extinguishing
- flexible
- for applications  
acc. to Hong Kong Convention
- ingredients tested acc. to the requirements  
of the Hong Kong Convention (2009) of the IMO
- approvals: DNV-GL

\*copper braiding should be connected circularly to optimize the EMC characteristics

### Technical data:

<b>Peak operating voltage:</b>	max. 300 V
<b>Testing voltage:</b>	conductor/conductor: 1500 V conductor/shielding: 1200 V
<b>Min. bending radius:</b>	
fixed installation:	5 x O.D.
free movement:	10 x O.D.
<b>Temperature range:</b>	
static:	-40/+90°C
flexible:	-30/+90°C
<b>Halogen-free:</b>	acc. to IEC 60754-1 + VDE 0482-754-1
<b>Burning characteristics:</b>	no flame propagation acc. to IEC 60332-3-22 + VDE 0482-332-3-22 cat. A. Flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2
<b>Corrosivity:</b>	in compliance with IEC 60754-2 + VDE 0482-754-2 - no development of corrosive conflagration gases
<b>Smoke density:</b>	acc. to IEC 61034 + VDE 0482-1034
<b>Flexibility:</b>	very good
<b>Approvals:</b>	DNV-GL, CE, EAC, RoHS
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union see page O/30

item no.	no. of triads	nominal outer-ø inch ±10%	nominal outer-ø mm ±10%	cable weight ≈lbs/mft
<b>► 24 AWG (≈ 14/34) ▪ 0.25 mm<sup>2</sup></b>				
64430225	2	0.283	7.2	46
64430425	4	0.346	8.8	69
64430725	7	0.417	10.6	108
64431025	10	0.528	13.4	158
<b>► 22 AWG (≈ 7/30) ▪ 1.00 mm<sup>2</sup></b>				
64430234	2	0.315	8.0	55
64430434	4	0.386	9.8	85
64430734	7	0.469	11.9	136
64431034	10	0.598	15.2	210

item no.	no. of triads	nominal outer-ø inch ±10%	nominal outer-ø mm ±10%	cable weight ≈lbs/mft
<b>► 20 AWG (≈ 16/32) ▪ 0.50 mm<sup>2</sup></b>				
64430250	2	0.354	9.0	71
64430450	4	0.421	10.7	108
64430750	7	0.520	13.2	171
64431050	10	0.665	16.9	263
<b>► 19 AWG (≈ 23/32) ▪ 0.75 mm<sup>2</sup></b>				
64430275	2	0.409	10.4	97
64430475	4	0.496	12.6	150
64430775	7	0.598	15.2	235
64431075	10	0.760	19.3	339

Other dimensions and colors are available on request



### Possible on request:

- bare copper strands
- alternative color code and jacket color